

REPORT ON MACHINERY.

No. N.Y. 13708Received at London Office TUE 24 APR. 1917

Date of writing Report 19 When handed in at Local Office 19 Port of New York
 Date, First Survey Schenectady N.Y. Last Survey 19
 Date, Second Survey 19
 on the Moore & Scott Iron Works No. 110 (Number of Visits 1)
 Tons { Gross 1917
 Net 1917
 Built at Castland Cal. By whom built Moore & Scott Iron Works When built 1917
 Engines made at Schenectady N.Y. By whom made General Electric Co. when made 1917
 Boilers made at By whom made when made 1917
 Registered Horse Power 2600 Owners Port belonging to
 Shaft Horse Power at Full Power 2600 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

TURBINE ENGINES, &c.—Description of Engines Grand Turbine No. of Turbines One
 Diameter of Rotor Shaft Journals, H.P. 8" L.P. 7" Diameter of Pinion Shaft 7"
 Diameter of Journals H.S. PINION 7" Distance between Centres of Bearings H.S. GEAR 10" Diameter of Pitch Circle H.S. PINION 7.833"
 Diameter of Wheel Shaft 14" Distance between Centres of Bearings H.S. GEAR 10" Diameter of Pitch Circle of Wheel H.S. PINION 10.25"
 Diameter of Thrust Shaft under Collars 14" Diameter of Tunnel Shaft as per rule
 Diameter of same as fitted Diameter of Propeller as fitted Pitch of Propeller as fitted
 State whether Moveable as per rule Total Surface as fitted Diameter of Rotor Drum, H.P. as per rule L.P. as fitted
 Thickness at Bottom of Groove, H.P. as per rule L.P. as fitted Astern as fitted Revs. per Minute at Full Power, Turbine 3380 Propeller 90

PARTICULARS OF BLADING.

	H. P.			L. P.			ASTERN.		
	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.
EXPANSION	1.25"	2.11 1/2"	2				1.25"	2.11 1/2"	2
"	1.25"	3.9"	1				1.25"	3.9"	1
"	1.25"	3.10 1/2"	1				1.25"	3.10 1/2"	1
"	2.5"	4.2"	1				2.5"	4.2"	1
"	6"	4.2"	1				6"	4.2"	1
"									
"									
"									
"									

and size of Feed pumps
 and size of Bilge pumps
 and size of Bilge suction in Engine Room

In Holds, &c.

of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine Room & size
 all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible
 all connections with the sea direct on the skin of the ship Are they Valves or Cocks
 they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line
 they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 pipes are carried through the bunkers How are they protected
 all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
 the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

BOILERS, &c.—(Letter for record)

Manufacturers of Steel
 Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers
 Working Pressure Tested by hydraulic pressure to Date of test No. of Certificate
 each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
 boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
 smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates
 thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 g. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 percentages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
 plates
 of compensating ring No. and Description of Furnaces in each Boiler Material Outside diameter
 length of plain part top crown Thickness of plates Description of longitudinal joint No. of strengthening rings
 bottom bottom
 working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
 pitch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
 material of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space
 material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
 diameter at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each
 working pressure by rules Steam dome: description of joint to shell % of strength of joint Diameter
 thickness of shell plates Material Description of longitudinal joint Diameter of rivet holes Pitch of rivets
 working pressure of shell by rules Crown plates: Thickness How stayed

Tested by Hydraulic Pressure to

Is Easing Gear fitted

If so, is a report now forwarded?

The foregoing is a true and correct copy of the original as the same appears in the files of the
E. Dickinson Manufacturer.
 for General Electric Co

Is the approved plan of main boiler forwarded herewith

“ ” “ donkey ” ”

Gearing

Propeller

Engines holding down bolts

Engines tried under steam

Thickness of adjusting washers

Identification Mark on Do. E. M. S.

Identification Mark on Do. E. 175

Identification Mark on Do.

Identification Marks on Do.

Test pressure

Is the flash point of the oil to be used over 150°F.

If so, state name of vessel

If so, state name of vessel

(State quality of workmanship, opinions as to class, &c.)

General Remarks (State quality of workmanship, opinions as to class, &c. These engines have been constructed under Special Survey in accordance with the approved plans. The materials and workmanship are sound and good. The engines have been forwarded to Oakland Cal. to be fitted on board.

When applied for.

£

£

£

New York APR 5 1917

See S. 30 Rpt. 2476

Engineer Surveyor to Lloyd's Register of Shipping